

References in the Wood Industry

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Company	Process	System	Crude Gas m ³ /h	Operation Temp. °C	Year
WanHua TongLing Wood HuBei (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	250,000	76.2	2020
WanHua HuaiYuan Wood HuBei (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	250,000	76.2	2020
WanHua Gong'An Wood HuBei (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	250,000	76.2	2020
LuLi Wood ShanDong (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	790,000	74.8	2020
UNILIN Panel Wielsbeke (Belgium)	Aerosols, hydrocarbons solids, formaldehyde and odours from press	Fume extraction system with quench and WESP modification	135,000	28.6	2020
Wulian Wood Guangdong (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	220,000	75.9	2020
M.Y. Timber Jiaxing (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	215,602	76.6	2020
Panel Plus Hatyai (Thailand)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	182,000	66.0	2020
Luso FINSA Nelas (Portugal)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	530,000	65.1	2021
FINSA Orember Ourense (Spain)	Particles, formaldehyde, hydrocarbons and VOCs from MDF dryer	Quench, Wet Absorber, Vertical Wet Type ESP	498,100	65.0	2021
FINSA Cella Cella (Spain)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	600,000	62.9	2021
FINSA Padrón Padrón (Spain)	Particles, formaldehyde, hydrocarbons and VOCs from MDF dryer	Quench, Wet Absorber, Vertical Wet Type ESP	386,900	55.1	2020
FINSA Fibranor Lugo (Spain)	Particles, formaldehyde, hydrocarbons and VOCs from MDF dryer	Quench, Wet Absorber, Vertical Wet Type ESP	596,539	54.7	2020
FINSA Santiago Santiago de Compostela (Spain)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	716,700	69.0	2020
EGGER Lexington (USA)	Aerosols, hydrocarbons solids, formaldehyde and odours from MS and DS chip dryers	Quench, Wet Absorber, Vertical Wet Type ESP - DUAL SYSTEM -	2 x 245,069	75.3	2020

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OSBORNE Tancheng / Shandong Prov. (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from OSB dryer	Quench, Wet Absorber, Vertical Wet Type ESP	215,602	76.6	2019
UNILIN Panel Oostrozebeke (Belgium)	Aerosols, hydrocarbons, solids, formaldehyde and odours from chipboard press	Fume extraction system with quench and WESP modification	105,000	31.9	2019
Rayong Panel Rayong (Thailand)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP	152,412	79.3	2019
VMG Industry Mogilev (Belarus)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP with heat extraction	140,000	78.2	2020
VMG Naujoji Akmenė (Lithuania)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP with heat extraction	350,000	77.9	2020
VMG Naujoji Akmenė (Lithuania)	Aerosols, hydrocarbons solids, formaldehyde and odours from chipboard press	Extraction System with Quench, Wet Absorber, Vertical Wet Type ESP	125,000	34.8	2020
AGT MDF II Antalya (Turkey)	Particles and ash from biomass combustion plant for MDF dryer	Horizontal Hot Gas Dry Type Electrostatic Precipitator	388,966	320	2019
AGT MDF I Antalya (Turkey)	Particles and ash from biomass combustion plant for MDF dryer	Horizontal Hot Gas Dry Type Electrostatic Precipitator	589,976	380	2019
Yangjiang Lüyuan / Jilin Prov. (China) <i>NTE-EWK</i>	Aerosols, formaldehyde and solids from MDF dryer	Quench, Wet Absorber	420,000	45	2018
Liaoyang Ning Feng Liaoyang / Liaoning Prov. (China) <i>NTE-EWK</i>	Aerosols, formaldehyde and solids from MDF dryer and press	Quench, Wet Absorber	450,000	45	2018
OSBORNE Rizhao / Shandong Prov. (China) <i>NTE-EWK</i>	Aerosols, hydrocarbons solids, formaldehyde and odours from OSB dryer	Quench, Wet Absorber, Vertical Wet Type ESP	250,000	74	2018
EGGER Biskupiec (Poland)	Aerosols, hydrocarbons solids, formaldehyde and odours from MS and DS chip dryers	Quench, Wet Absorber, Vertical Wet Type ESP with heat extraction -DUAL SYSTEM-	595,000	125	2017
Egger Panneaux & Décors Rambervillers (France)	Aerosols, hydrocarbons solids, formaldehyde and odours from chipboard press and diagonal sawing machine	High-Performance Extraction System with Quench, Wet Absorber, Vertical Wet Type ESP	115,000	32	2017
SWISS KRONO Żary (Poland)	Particles, formaldehyde, hydrocarbons and VOCs from MDF production	Quench, Wet Absorber, Vertical Wet Type ESP with heat extraction and biological water treatment	870,000	52/35	2017
UNILIN Panel Oostrozebeke (Belgium)	Aerosols, hydrocarbons solids, formaldehyde and odours from press	Fume extraction system with quench and WESP modification	95,000	28.6	2017

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SWISS KRONO Barnwell, South Carolina (USA)	Particles and ash from biomass combustion plant of MDF production	Horizontal Hot Gas Dry Type Electrostatic Precipitator	577,302	380	2018
Tanne (Forte) Suwałki (Poland)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip dryer	Quench, Wet Absorber, Vertical Wet Type ESP with heat extraction	328,732	72	2016
Tanne (Forte) Suwałki (Poland)	Aerosols, hydrocarbons solids, formaldehyde and odours from press	Extraction System with Quench, Wet Absorber, Vertical Wet Type ESP	120,000	29	2016
Norbord Europe Inverness (Scotland)	Aerosols, hydrocarbons solids and odours from two OSB dryers	Quench, Wet Absorber, Vertical Wet Type ESP -DUAL SYSTEM-	321,120	76	2016
Norbord Europe Inverness (Scotland)	Aerosols, hydrocarbons solids and odours from OSB press	Extraction System with Quench, Wet Absorber, Vertical Wet Type ESP	142,816	29	2016
SWISS KRONO Sharija (Russia)	Particles and ash from biomass incineration	Horizontal Hot Gas Dry Type Electrostatic Precipitator	350,000	480	2016
Egger Panneaux & Décors Rambervillers (France)	Aerosols, hydrocarbons solids, formaldehyde and odours from three chip dryers	Quench, Wet Absorber, Vertical Wet Type ESP -DUAL SYSTEM-	368,000	73.0	2015
Interspan Vásárosnaményi (Hungary)	Aerosols, hydrocarbons solids, formaldehyde and odours from OSB dryer	Quench, Wet Absorber, Vertical Wet Type ESP	213,384	75.6	2015
Egger Drevprodukt Gagarin (Russia)	Particles and ash from biomass incineration	Horizontal Hot Gas Dry Type Electrostatic Precipitator	496,673	460	2015
DARE Danyang / Jiangsu Prov. (China)	Aerosols, hydrocarbons solids, formaldehyde and odours from MDF drier, reject bin, sifter and mat former	Quench, Wet Absorber, Vertical Wet Type ESP	698,900	42	2015
IKEA Industry Novgorod (Russia)	Aerosols, hydrocarbons solids, formaldehyde and odours from a press	Quench, Wet Absorber, Vertical Wet Type ESP	105,000	36	2015
Homanit Krosno (Poland)	Particles and ash from biomass incineration	Horizontal Hot Gas Dry Type Electrostatic Precipitator	556,800	350	2014
Homanit Krosno (Poland)	Aerosols, hydrocarbons solids, formaldehyde and odours from a HDF press	Quench, Wet Absorber, Vertical Wet Type ESP	90,000	33	2014
EGGER Beschichtungswerk Bevern (Germany)	Aerosols, hydrocarbons solids, formaldehyde and odours from MDF drier and press	Quench, Wet Absorber, Vertical Wet Type ESP with heat extraction	240,305	49	2014
IKEA Industry Novgorod (Russia)	Aerosols, hydrocarbons solids, formaldehyde and odours from two chip driers	Quench, Wet Absorber, Vertical Wet Type ESP	430,971	72.2	2012
Swedspan Slovakia s.r.o. Malacky (Slovakia)	Aerosols, hydrocarbons solids, formaldehyde and odours from a chip drier	Quench, Wet Absorber, Vertical Wet Type ESP with heat extraction	300,340	74.6	2012
Swedspan Slovakia s.r.o. Malacky (Slovakia)	Aerosols, hydrocarbons solids, formaldehyde and odours from a press	Quench, Wet Absorber, Vertical Wet Type ESP	150,000	33.3	2012

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BIOSYLVA S.A.S. Cosne-Cours-sur-Loire (France)	Aerosols, hydrocarbons solids, formaldehyde and odours from a chip drier (pellet production)	Quench, Wet Absorber, Vertical Wet Type ESP	95,000	75	2012
Swedspan Sweden Hultsfred (Sweden)	Aerosols, hydrocarbons solids, formaldehyde and odours from two chip driers	Quench, Wet Absorber, Vertical Wet Type ESP with heat recovery system	443,568	72.5	2011
Kastamonu Entegre A.S. Gebze (Turkey)	Aerosols, hydrocarbons solids, formaldehyde and odours from a chip drier	Quench, Wet Absorber, Vertical Wet Type ESP with heat recovery system	375,000	68.4	2012
PROLEMN SA Reghin (Romania)	Aerosols, hydrocarbons solids, formaldehyde and odours from chip drier and press	Quench, Wet Absorber, Vertical Wet Type ESP with heat recovery system	466,362	69.1	2012
EGGER Energia S.R.L. Radauti (Romania)	Aerosols, hydrocarbons solids, formaldehyde and odours from two OSB driers	Quench, Wet Absorber, Vertical Wet Type ESP with heat recovery system	599,558	73.1	2011
EGGER Energia S.R.L. Radauti (Romania)	Scrubbing and defrosting of logs	Water treatment by using waste gas heat from the WESP			2011
Swedspan France Lure (France)	Aerosols, hydrocarbons solids, formaldehyde and odours from two chip driers	Quench, Wet Absorber, Vertical Wet Type ESP with heat recovery system	440,582	75.8	2011
Swedspan Polska Orla (Poland)	Aerosols, hydrocarbons solids, formaldehyde and odours from HDF drier and press	Quench, Wet Absorber, Vertical Wet Type ESP and press exhaust collecting	658,941	54.4	2011
Swedspan Polska Orla (Poland)	Particles and ash from biomass incineration	Horizontal Hot Gas Dry Type Electrostatic Precipitator	331,651	350	2011
Neova AB Forsnäs (Sweden)	Aerosols, hydrocarbons solids, formaldehyde and odours from a chip drier (pellet production)	Quench, Wet Absorber, Vertical Wet Type ESP	62,000	75	2009
Rauch Spanplattenwerk Markt Bibart (Germany)	Aerosols, hydrocarbons solids, formaldehyde and odours from a chip drier	Quench, Wet Absorber, Vertical Wet Type ESP with heat recovery system	151,000	72	2009
Sauerländer Spanplatten Arnsberg (Germany)	Solids, aerosols, odour, hydrocarbons from a chip drier	Quench with Wet Absorber and Vertical Wet ESP, with heat recovery system	120,000	74	2009
Egger Panneaux & Decor Rion des Landes (France)	Aerosols, hydrocarbons solids, formaldehyde and odours from two chip driers	Quench with Wet Absorber and Vertical Wet ESP	460,000	62	2012
Fritz Egger GmbH St. Johann/Tirol (Austria)	Aerosols, hydrocarbons solids, formaldehyde, and odours from two chip driers and press	Quench with Wet Absorber and Vertical Wet ESP, with devaporization and heat recovery system -THREE PART SYSTEM-	304,000	62.5	2009
GLUNZ AG Kaisersesch (Germany)	Aerosols, solids, hydrocarbons, formaldehyde and odours from 3 chip driers and hot water boiler	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	480,000	73	2008

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HOMANIT POLSKA z o.o Karlino (Poland)	Aerosols, hydrocarbons solids, formaldehyde, and odours from a MDF press	Dust and press fume suction system with Quench, Wet Absorber and Vertical Wet ESP	75,000	33	2008
SHELMAN Vasiliko Chalkis (Greece)	Aerosols, hydrocarbons, solids, formaldehyde and odours from 2 chip driers, press and boiler exhaust	Quench with Wet Absorber and Vertical Wet ESP	308,666	54	2007
EGGER Rumania s.r.l. Radauti / Suceava (Romania)	Aerosols, hydrocarbons solids, formaldehyde, and odours from chip driers and press	Quench with Wet Absorber and Vertical Wet ESP, with heat recovery and star cooler exhaust for devaporization -DUAL SYSTEM-	602,066	70	2008
EGGER UK LTD. Hexham (Great Britain)	Aerosols, hydrocarbons solids, formaldehyde, and odours from chip driers and press	Quench with Wet Absorber and Vertical Wet ESP, with heat recovery and star cooler exhaust for devaporization -DUAL SYSTEM-	602,066	70	2007
NORBORD LTD. Cowie (Great Britain)	Aerosols, hydrocarbons, solids, formaldehyde, and odours from chip drier and press	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	348,952	73.5	2006
Koskisen Oy Järvelä (Finland)	Solids, aerosols, odour, and hydrocarbons from chip drier	Quench with Wet Absorber and Vertical Wet ESP	73,000	70	2006
PG BISON Pietermaritzburg (South Africa)	Solids, aerosols, odour, hydrocarbons from chip drier, press and boiler	Quench with Wet Absorber and Vertical Wet ESP with circulation water treatment system, partial de-vaporization	161,800	64	2006
SWEDWOOD Malacky (Slovakia)	Solids, aerosols, odour, hydrocarbons from two chip driers	Quench with Wet Absorber and Vertical Wet ESP, with circulation water treatment system	120,000	70	2005
HORNITEX Horn-Bad Meinberg (Germany)	Solids, aerosols, odour, hydrocarbons from two chip driers	Quench with Wet Absorber and Vertical Wet ESP, with circulation water treatment system	450,000	70	2005
Norbord N.V. Genk (Belgium)	Aerosols, odours, solids, hydrocarbons from chip and OSB presses	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	180,000	30	2005
Norbord N.V. Genk (Belgium)	Aerosols, hydrocarbons, solids, formaldehyde, and odours from two OSB driers	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	360,000	72	2005
Bioenergi Luleå AB Luleå (Sweden)	Aerosols, hydrocarbons, solids, formaldehyde, and odours from a chip drier (pellet production)	Quench with Wet Absorber and Vertical Wet ESP, with circulation water treatment system	140,000	62	2004
Valentin Mittenaar-Bicken (Germany)	Aerosols, hydrocarbons, solids, formaldehyde, and odours from chip drier for particle board manufacturing	Quench with Wet Absorber and Vertical Wet ESP, with circulation water treatment system	100,000	77	2004

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UNILIN Wielsbeke (Belgium)	Aerosols, hydrocarbons, solids, formaldehyde, and odours from a chip drier (pellet production)	Quench with Wet Absorber and Vertical Wet ESP, with circulation water treatment system	205,000	71	2004
Kronospan Ltd. Chirk (Great Britain)	Wood fired boiler for incineration of bark, waste wood, chip- and MDF-board waste	Horizontal 2-step Dry ESP	237,000	350	2003
SWEDSPAN AB Hultsfred (Sweden)	Aerosols, formaldehyde emulsions, solids of chipboard press	Quench with Wet Absorber and Vertical Wet ESP	70,000	31	2003
SWEDSPAN AB Hultsfred (Sweden)	Aerosols, hydrocarbons, solids, formaldehyde, odours of chip drier	Quench with Wet Absorber and Vertical Wet ESP, with circulation water treatment system	287,864	72	2003
Homanit GmbH & Co. KG Losheim (Germany)	Aerosols and solids of Conti MDF press line	Exhaust ventilation system with quench	67,000	32	2003
SBE Svensk BrikettEnergi AB Ulricehamn (Sweden)	Aerosols, odours, particles, hydrocarbons, from a chip drier (pellet production)	Quench with Wet Absorber and Wet Type ESP, with condensation heat recovery	78,552	73	2002
LESNA vrh. Sentjanž pri Dravogradu (Slovenia)	Aerosols, odours, particle, hydrocarbons, formaldehyde from chip board manufacturing	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	300,000	68	2002
UNILIN S.A. Bazeilles (France)	Aerosols, particle, hydrocarbons, formaldehyde from 2 MDF presses	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	2 x 75,000	36	2002
Glunz AG Nettgau (Germany)	Aerosols, particle, hydrocarbons and formaldehyde from 2 OSB driers	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	2 x 250,900	73	2001
Glunz AG Nettgau (Germany)	Aerosols, particle, hydrocarbons and formaldehyde from 2 chip driers and press	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	1 x 270,000 1 x 165,000 1 x 90,000	67	2001
Kronoply GmbH Heiligengrabe (Germany)	Aerosols, particle, hydrocarbons and formaldehyde from 2 OSB driers	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	2 x 266,000	63	2001
Spanplattenwerk Gotha Gotha (Germany)	Aerosols, particle, hydrocarbons and formaldehyde from chip drier	Quench with Wet Absorber and Vertical Wet ESP	117,000	78	2000
Egger Holzwerkstoffe GmbH Wismar (Germany)	Aerosols, particle, hydrocarbons and formaldehyde from chipboard manufacturing	Quench with Wet Absorber and Vertical Wet ESP -DUAL SYSTEM-	2 x 210,000	68	2000
Nolte Holzwerkstoff GmbH Germersheim (Germany)	Aerosols, dust and formaldehyde from chipboard press	Quench with Wet Absorber and Vertical Wet ESP	50,000	30	2000

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Nolte Holzwerkstoff GmbH Germersheim (Germany)	Aerosols, particle, hydrocarbons and formaldehyde from chip drier	Quench with Wet Absorber and Vertical Wet ESP	270,000	72	2000
CASCA S.A. Oliveira do Hospital (Portugal)	Aerosols, dust, hydrocarbons, formaldehyde from chipboard manufacturing	Quench with Wet Absorber and Vertical Wet ESP	445,000	58	2000
SONAE (UK) Ltd. Knowsley (Great Britain)	Aerosols, particle, hydrocarbons from and odours from chipboard manufacturing	Quench with Wet Absorber and Vertical Wet ESP	286,000	71	1999
Tableros TRADEMA S.L. Valladolid (Spain)	Aerosols, particle, hydrocarbons from chipboard manufacturing	Quench, Wet Absorber, Vertical Wet Type ESP	227,300	53	1999
ZPW Grajewo Grajewo (Poland)	Aerosols, dust and hydrocarbons from chipboard manufacturing	Quench, Wet Absorber, Vertical Wet Type ESP	314,500	73	1998
Puhos Board Oy Puhos (Finland)	Particle and hydrocarbons from chipboard manufacturing	Wet Absorber (WESP to retrofit)	269,000	70	1998
Egger UK Ltd. Hexham (Great Britain)	Aerosols, dust, hydrocarbons, formaldehyde from 2 chip driers	Wet Absorber with Vertical Wet Type ESP -DUAL SYSTEM-	2 x 200,000	65	1997
Caberboard Ltd. Cowie (Great Britain)	Aerosols, dust, hydrocarbons, formaldehyde from chipboard manufacturing (drier and press)	Wet Absorber with Vertical Wet Type ESP	2 x 343,000	56	1997
Annovati S.p.A. Frosassco (Italy)	Aerosols, particle, hydrocarbons from chipboard manufacturing	Wet Absorber with Vertical Wet Type ESP	386,000	65	1997
Caberboard Ltd. South Molton (Great Britain)	Aerosols, dust and hydrocarbons from chipboard manufacturing (drier and press)	Wet Absorber with Vertical Wet Type ESP	232,000	62	1996
Norske Skogindustrier A.S. Braskereidfoss (Norway)	Aerosols, dust and hydrocarbons from chipboard manufacturing	Wet Absorber with Vertical Wet Type ESP	229,000	74	1996
Rauch Spanplattenwerk Markt Bibart (Germany)	Aerosols and dust from chipboard manufacturing (drier and press)	Wet Absorber with Vertical Wet Type ESP	227,000	65	1995
Schlingmann Nittenau (Germany)	Aerosols and dust from chipboard manufacturing	Wet Absorber with Vertical Wet Type ESP	226,000	62	1993
Norboard Highland Inverness (Great Britain)	Aerosols and dust from chipboard manufacturing	Wet Absorber with Vertical Wet Type ESP	485,000	47	1993
Thermopal Dekorplatten Leutkirch (Germany)	Aerosols and dust from chipboard manufacturing	Wet Absorber with Vertical Wet Type ESP	233,000	70	1993
Kronospan Ltd. Chirk (Great Britain)	Aerosols and dust from chipboard manufacturing	Wet Absorber with Vertical Wet Type ESP	430,000	70	1993

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Homogenholz Neudörfel (Austria)	Aerosols and dust from chipboard manufacturing	Vertical Wet Type ESP	150,000	70	1992
Homoplax Fideris (Switzerland)	Aerosols and dust from chipboard manufacturing	Vertical Wet Type ESP	150,000	60	1991